



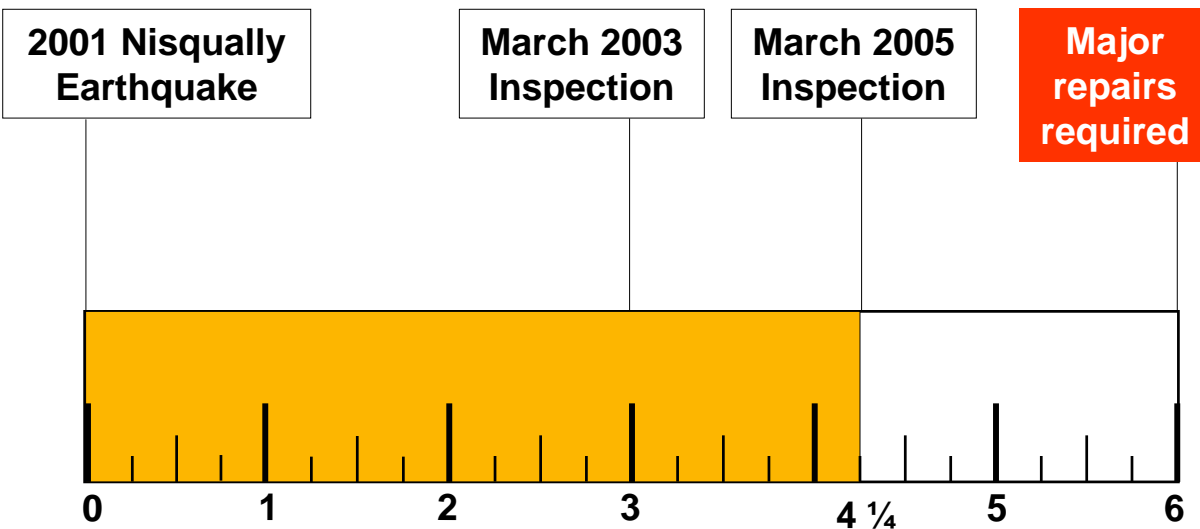
Alaskan Way Viaduct and Seawall Replacement Project

Project Update

***Seattle City Council
Committee of the Whole
May 23, 2005***



An Urgent Need

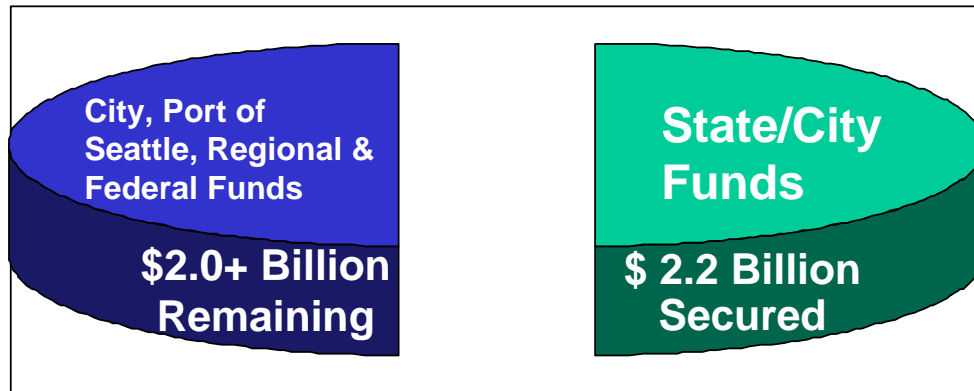


Alaskan Way Viaduct movement in inches

- Inspected every six months
- Continued movement in one location since 2001
- Movement of two more inches will mean major repairs necessary



Halfway To Funding Tunnel



Tunnel and Seawall	\$3.7 to \$4.1 billion
Steinbrueck Park Lid	~ \$80 million
Lowered Aurora	\$170 to \$220 million additional
Total	\$4.0 to \$4.4 billion



Coordinating Waterfront Planning

2005

2006

2007

Viaduct

Conceptual Alaskan Way
surface street design

Preliminary surface
street design

Complete final
environmental impact
statement

Begin final design of
surface street

Waterfront

Final Concept Plan
guiding: surface street
design & location; habitat;
public space & character

*Draft Waterfront
Public Spaces Master
Plan*

Complete final Action Plan



The Viaduct: June Public Meetings

Each meeting will present the same information on the Viaduct and Seawall.

The Downtown meeting will be combined with the Central Waterfront Planning Effort.

Downtown

Tuesday, June 21

Benaroya Hall
Bill & Melinda Gates
Lobby and Recital Hall
4:00-7:00 p.m.

Served by
39 Metro Bus Routes

Interbay

Wednesday, June 22

National Guard Armory
Drill Room

1601 W. Armory Way
5:00-7:30 p.m.

Metro Bus Routes: 15,
18, 19, 24, 33, 81

West Seattle

Thursday, June 23

West Seattle High
School Commons
3000 California Ave S.W.
5:00-7:30 p.m.

Metro Bus Routes: 51,
55, 56, 57, 61, 85, 128

Questions? E-mail to viaduct@wsdot.wa.gov, call 206-269-4421, or
visit www.wsdot.wa.gov/projects/viaduct



The Viaduct: Upcoming Public Input



Community Briefings

Business Workshops

Freight Interviews

Ongoing/Quarterly
Neighborhood and
Interest Group Briefings

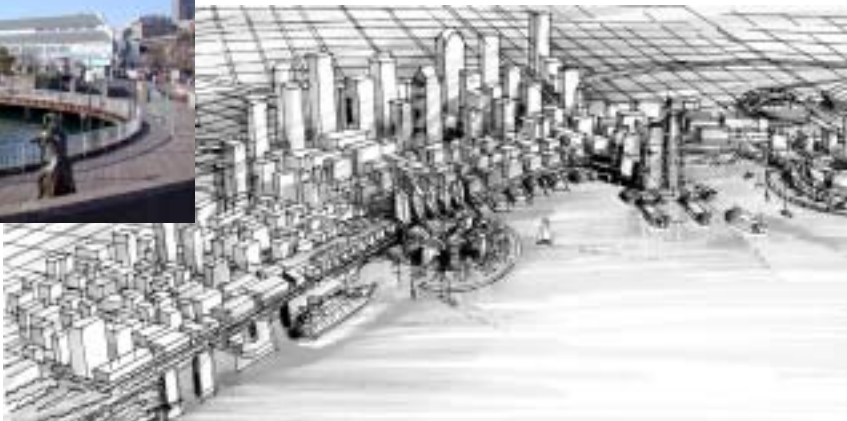


Interactive Web Page & Fact Sheets

Construction and
Emergency Closure
Plan Updates

The Waterfront Plan: Upcoming Public Input

- Public Meeting on Draft Concept Plan June 21, 2005
- City Council Public Hearing on Draft Concept Plan Fall 2005
- Concept Plan Adopted Late 2005
- Implementation Strategy Development 2006





The Tunnel and Rebuild Use National Seismic Standards

The preferred alternative, the tunnel and the rebuild will be designed to the latest earthquake standards





On the Road to Construction in 2009

- 2005**
 - Develop construction sequencing approach**
 - Develop construction transportation management plan**
 - Continue environmental analysis**
- 2006**
 - Release supplemental draft EIS
 - Determine construction sequencing approach
 - Finalize construction transportation management plan
- 2007**
 - Complete final EIS
 - Receive environmental approval
 - Complete preliminary design
 - Finalize Central Waterfront Action Plan
- 2008**
 - Begin Utility work
- 2009**
 - Begin major construction

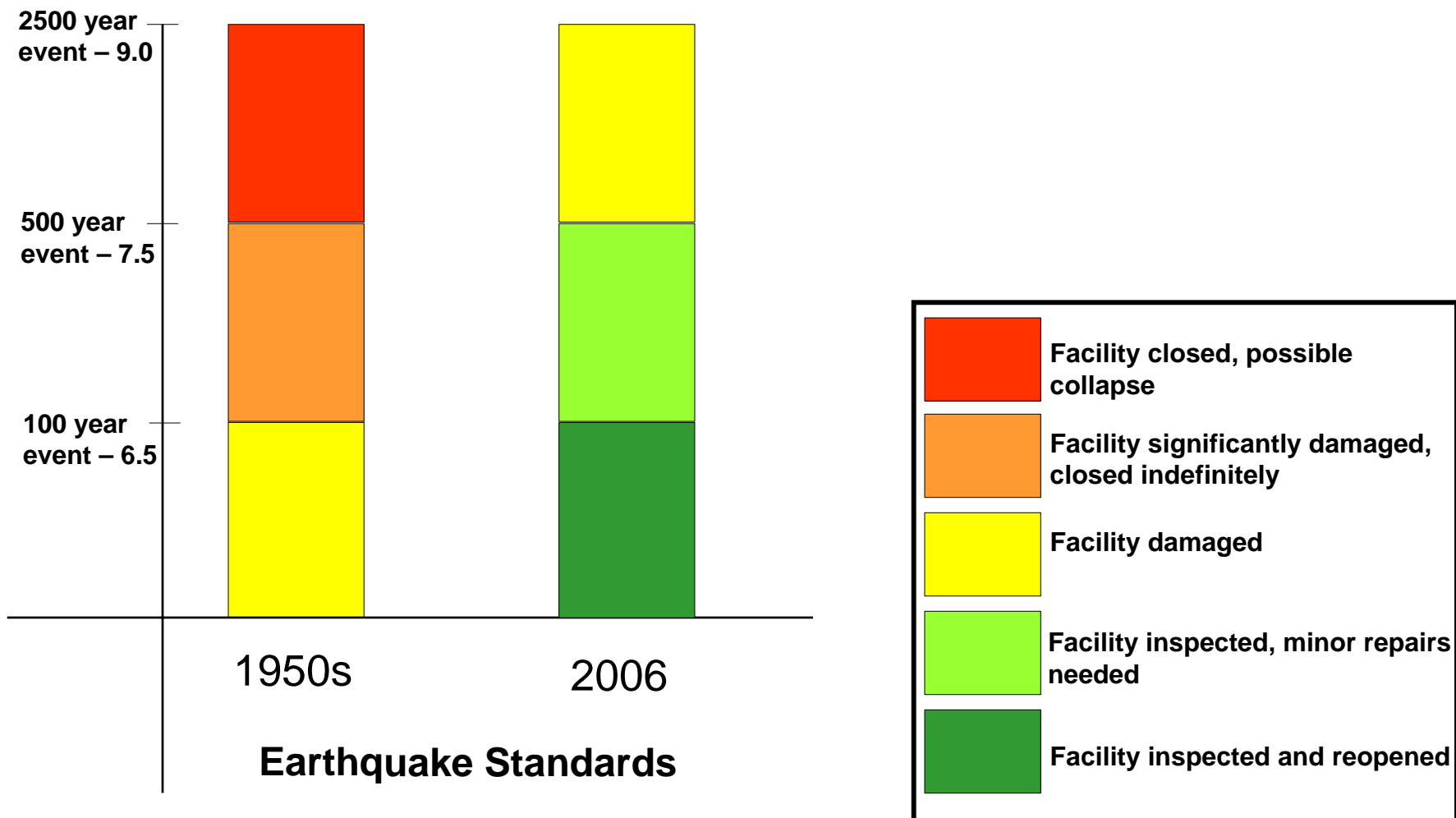


Additional Information on Earthquakes and Tsunamis



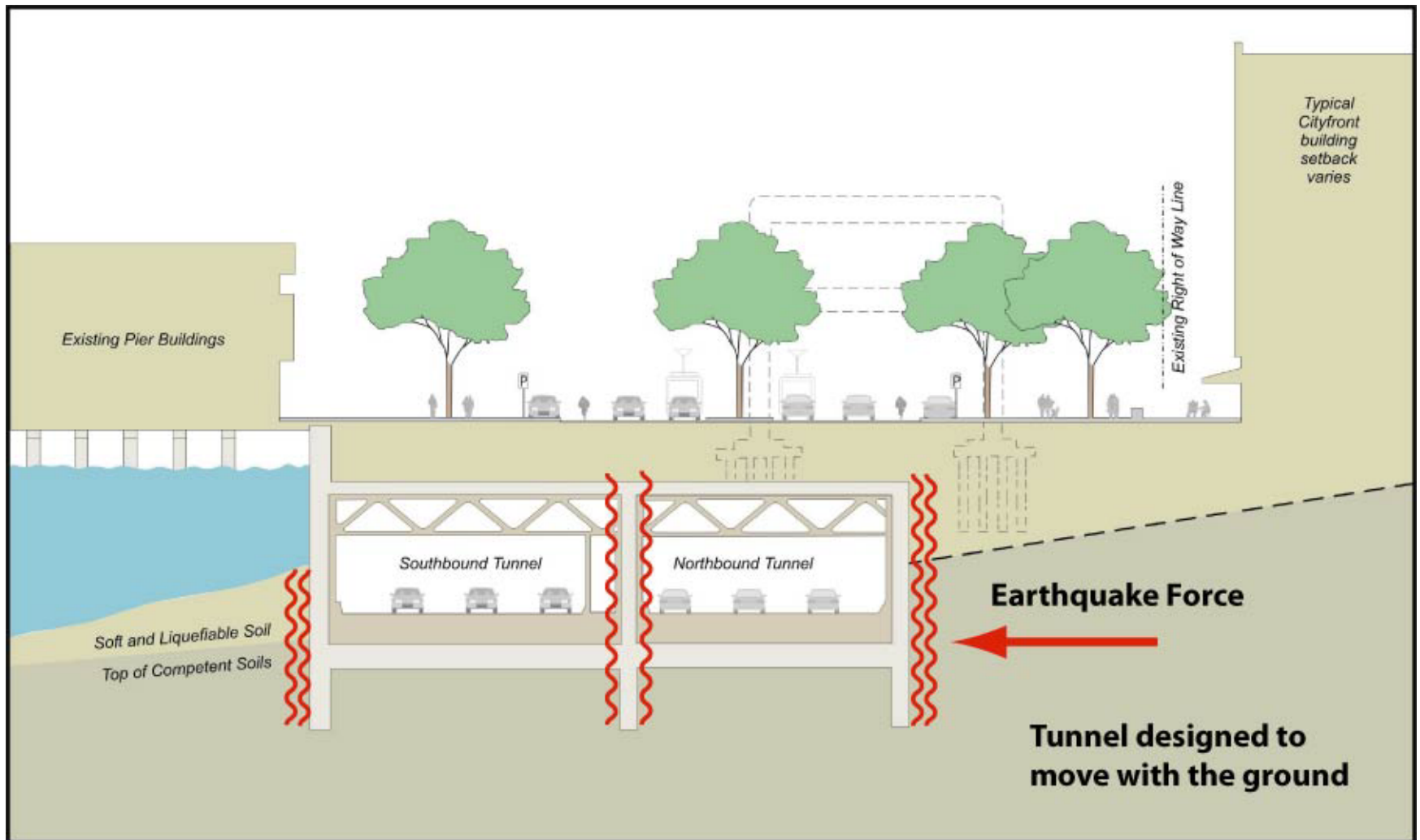
Earthquake Design Standards

Possible Earthquake Scenarios



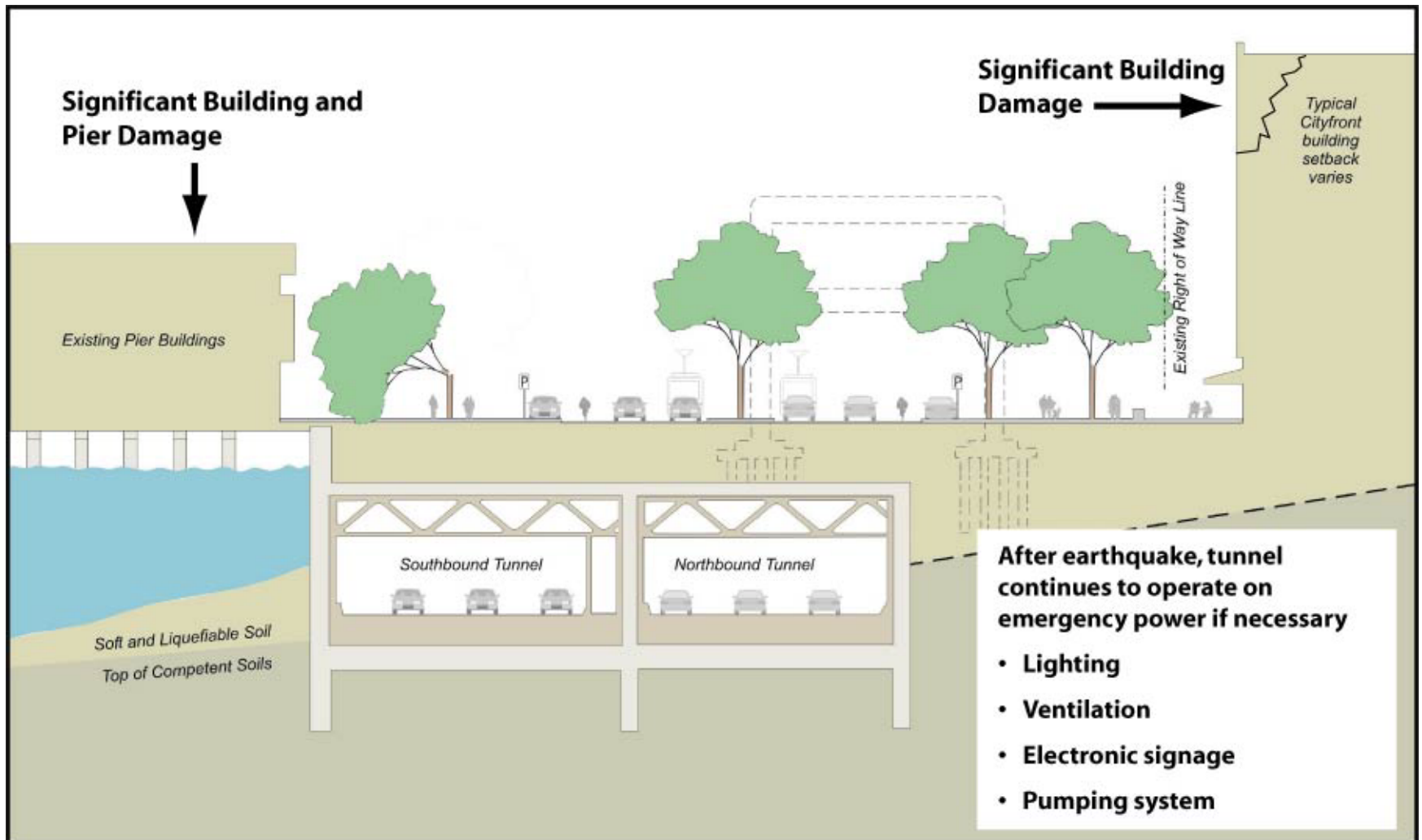


Tunnel Moves With Ground in an Earthquake



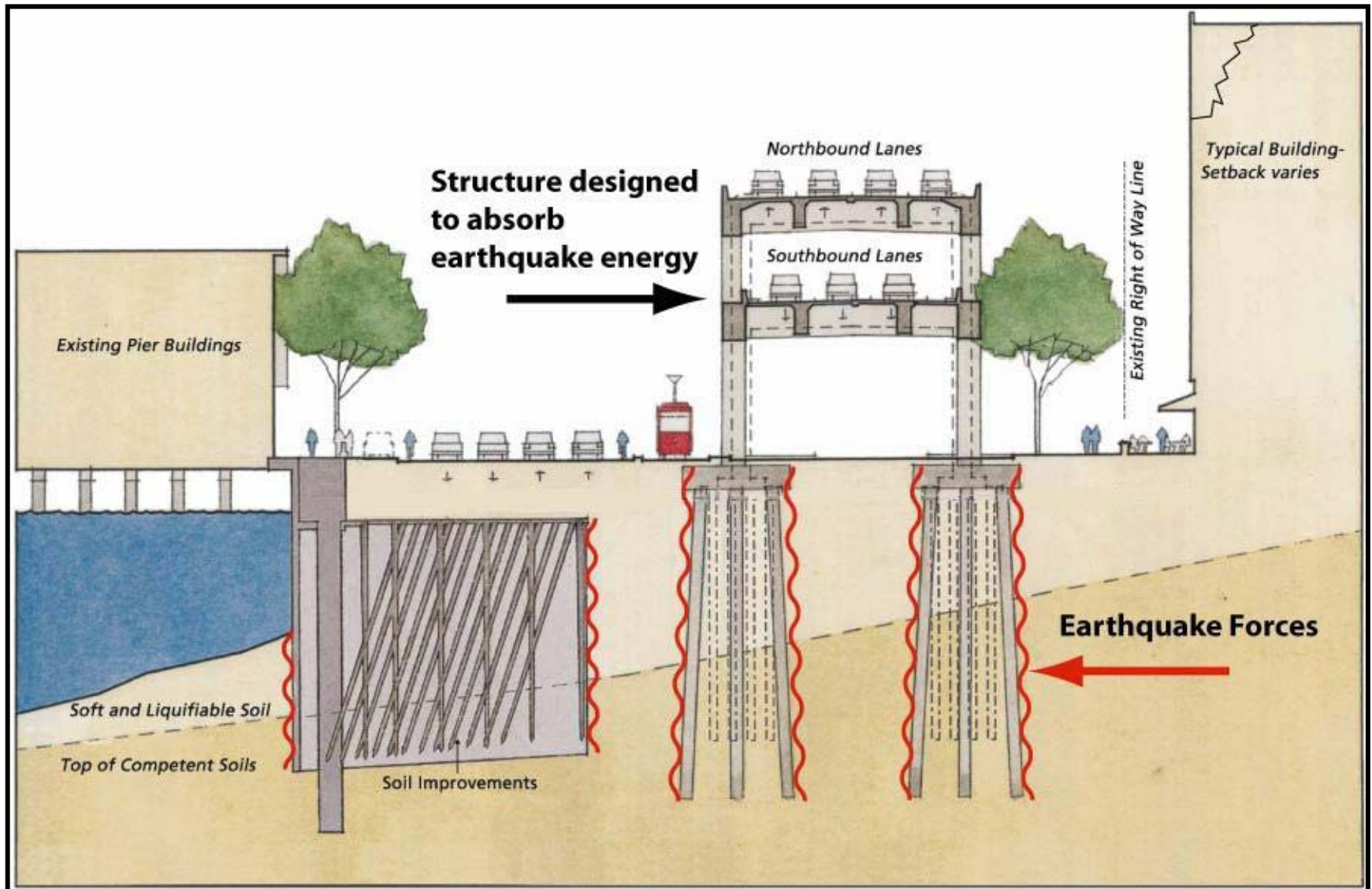


Tunnel Remains Intact After Earthquake

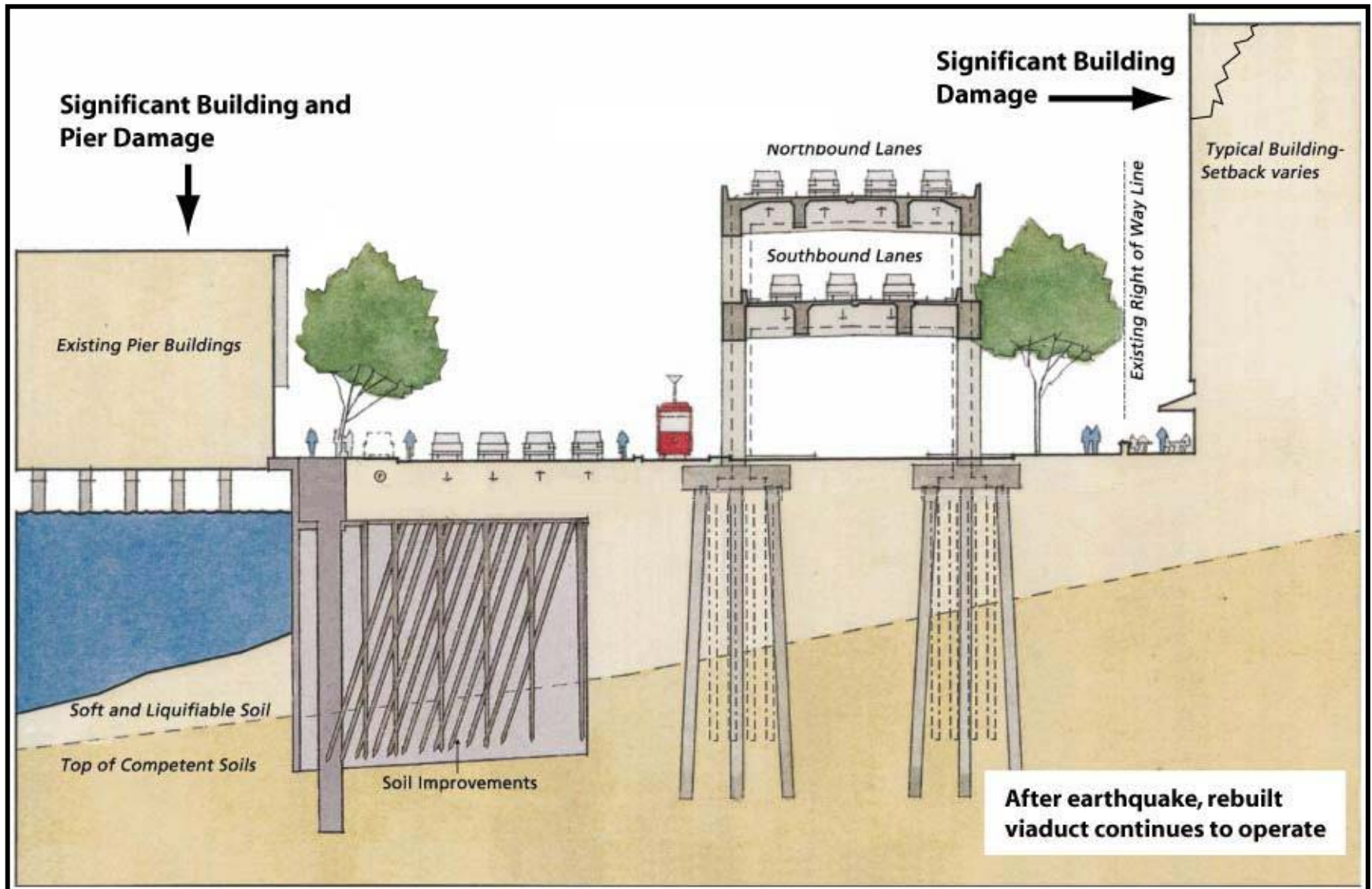




Rebuild Moves in Response to Ground in an Earthquake



Rebuilt Viaduct Remains Intact After Earthquake





Tunnel and Rebuild Highly Unlikely to be Affected by Tsunami

- Probability of a tsunami affecting the tunnel or rebuild is once every 30,000 to 60,000 years
- The following would have to occur:
 - A 3,000 to 6,000 year earthquake
 - Water level is at a mean high tide (less than 10% of the time)
 - Would need to produce a vertical displacement of the seabed
- The resulting wave would be one foot higher than the seawall
- Tunnel portals being designed to address this issue